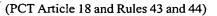


PCT

INTERNATIONALSEARCHREPORT





Applicant's or agent's file reference CFO17855WO	FOR FURTHER see Form PCT/ISA/220 ACTION as well as, where applicable, item 5 below.			
International application No. PCT/JP 2004 / 000964	International filing date (day/month/year) 30.01.2004	(Earliest) Priority Date (day/month/year) 31.01.2003		
	30.01.2004	31.01.2003		
Applicant CANON KABUSHIKI KAISHA				
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.				
This international search report consists of a total of sheets.				
It is also accompanied by a copy of each prior art document cited in this report.				
1. Basis of the report				
a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.				
the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).				
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.				
2. Certain claims were found unsearchable (See Box II).				
3. Unity of invention is lacking (See Box III).				
4. With regard to the title,				
the text is approved as submitted by the applicant.				
the text has been established by this Authority to read as follows:				
		1		
·	·	!		
		· ·		
:				
5. With regard to the abstract,				
the text is approved as submitted by the applicant.				
the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.				
6. With regard to the drawings,				
a. the figure of the drawings to be published with the abstract is Figure No4				
as suggested by the applicant.				
as selected by this Authority, because the applicant failed to suggest a figure.				
as selected by this Authority, because this figure better characterizes the invention.				
b. none of the figures is to be published with the abstract.				



INTERNATIONALSEARCHREPORT

International application No.

PCT/JP2004/000964

A. CLA	SSIFICATIONOFSUBJECTMATTER			
Int.Cl 7	Int.Cl ⁷ H01L41/09,41/187,41/24,B41J2/045,2/055			
According to	o International Patent Classification (IPC) or to both n	national classification and IPC		
	DS SEARCHED			
Minimum do	ocumentation searched (classification system followed by	y classification symbols)		
Int.Cl 7	HO1L41/09,41/187,41/24,B41J2/045,	2/055		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Japanese Utility Model Gazette 1922-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2004, Japanese Registered Utility Model Gazette 1994-2004, Japanese Gazette Containing the Utility Model 1996-2004				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
x	JP 10-251093 A(KABUSHIKI KAISHA TOSHIBA)		1,13-16	
A .	1998.09.22, [0003] - [0006]		2-12	
	(Family:none)			
A	W0 97/03472 A1(ULLAKKO)		1-16	
	1997.01.30			
	&JP 11-509368 A, Figures 1-5		9	
	&EP 997953 A1 &US 6157101	A	!	
A	US 6387476 B1 (SONY CORPORA	TION)	1-16	
	2002.05.14	11011)	1-10	
	&JP 2001-28466 A, [0065]			
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A	US 5936329 A (NGK INSULATORS, LTD.)		1-16	
	1999.08.10 &JP 10-107581 A,[0006]			
	10. 10. 10. 20. A, [0000]			
Further documents are listed in the continuation of Box C. See patent family annex.				
* Special categories of cited documents: "T" later document published after the international filing date or document defining the general state of the art which is not priority date and not in conflict with the application but cited to				
considered to be of particular relevance understand the principle or theory underlying the invention				
national filing date "L" document which may throw doubts on priority claim(s) or which inventive step when the		be considered novel or cannot be c inventive step when the document is	considered to involve an	
is cited to establish the publication date of another citation or other special reason (as specified) "y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is				
document referring to an oral disclosure, use, exhibition or other means combined with one or more other such documents, such combination being obvious to a person skilled in the art				
"P" document published prior to the international filing date but later "&" document member of the same patent family than the priority date claimed				
Date of the actual completion of the international search Date of mailing of the international search report				
14.04.2004 11. 5. 2004				
Name and mailing address of the ISA/JP		Authorized officer	4M 3238	
Japan Patent Office		AKIRA SHOYAMA		
3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan		Telephone No. +81-3-3581-1101 Ext. 3462		